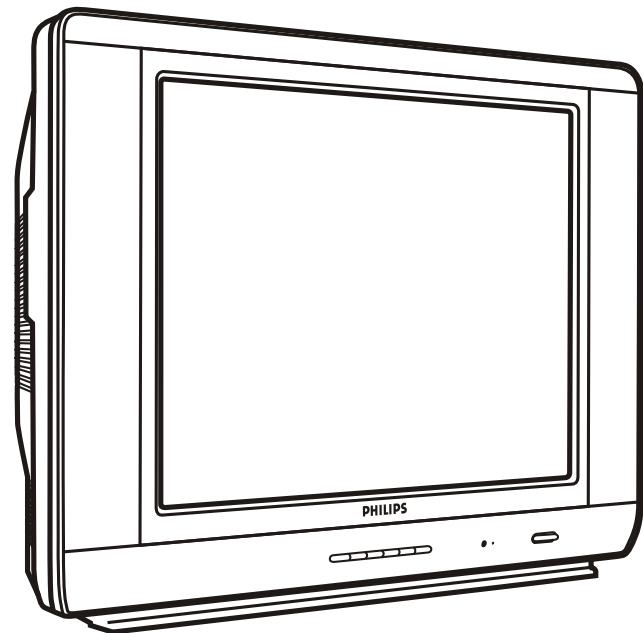


User Manual

14PT2117
14PT2118
21PT3327
21PT4437



PHILIPS

Description: USER MANUAL(3P61 14PT2117/94 14PT2118/94 21PT3327/94 21PT4437)	
Job No.	Brand Name: PHILIPS
Model:	P/No.
REV.:	Scale:
Engineering Dept:	
Artwork By:	Date: 2008-1-29
Checked By:	Date:
Approved By:	Date:

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TV Installation

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Recycling Directive – To minimise harm to the environment, the batteries supplied with the TV set do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available to you. Your TV set uses materials which are reusable or which can be recycled. To minimise the amount of waste in the environment, specialist companies recover used sets for dismantling and collection of reusable materials (contact your dealer).

SAFETY

General

- Two people are required to lift and carry a TV that weighs more than 25 kg. Improper handling of the TV can cause serious injury.
- The surface on which the TV is placed has to be level and able to withstand its weight.
- Air must be able to circulate freely through the ventilation slots. Do not place the TV in a confined place.
- Do not place naked flame sources such as lighted candles close to the TV.
- Do not place a vase filled with water near the TV. Spills can result in electric shock. If water gets into the TV, disconnect the TV from the mains and have it checked by a qualified technician.
- Do not expose the TV or the batteries of the remote control to heat, direct sunlight, rain or water.
- During a thunder storm, do not touch any part of the TV, power cord or antenna cable.
- Do not leave the TV in standby mode for an extended period of time. Instead disconnect it from the mains.
- Do not connect too much equipment to the same mains socket because it can result in fire or electric shock.

Caring and cleaning of the TV

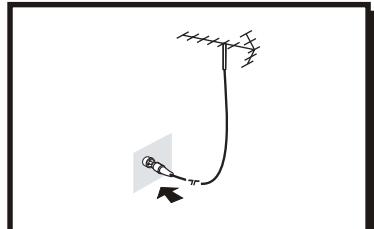
- Disconnect the TV from the mains before you clean the TV. Use only a dry cloth.
- Do not touch, push, rub or strike the screen with anything hard as this may scratch or damage the screen permanently.

BEFORE CALLING SERVICE

Below is a list of frequently occurred symptoms. Before you call for service, make these simple checks. Some of these symptoms can easily be rectified if you know what to do.

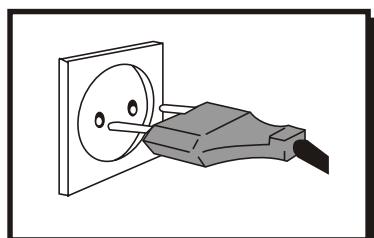
<u>Symptoms</u>	<u>What you should do</u>
Colour patch (unevenness)	<ul style="list-style-type: none">• Switch off the TV by the mains power button. Wait for 20 minutes before switching on again.• Check the TV is not placed too near speakers or magnetic objects.
No power	<ul style="list-style-type: none">• Check the TV's AC power cord is plugged into the mains socket. If there is still no power, disconnect plug. Wait for 60 seconds and re-insert plug. Switch on the TV again.
No picture	<ul style="list-style-type: none">• Check the antenna connection at the rear of the TV.• Possible TV station problem. Try another channel.
Good picture but no sound	<ul style="list-style-type: none">• Try increasing the volume.• Check that the sound is not muted. If it is muted, press the Mute button on the remote control to restore sound.
Good sound but poor colour or no picture	<ul style="list-style-type: none">• Try increasing the contrast and brightness setting.
Snowy picture and noise	<ul style="list-style-type: none">• Check antenna connection at the rear of the TV.
Horizontal dotted lines	<ul style="list-style-type: none">• Possible electrical interference e.g. hairdryer, vacuum cleaner, etc. Switch off appliances.
Double images or "Ghost" images	<ul style="list-style-type: none">• Possible poor positioning of antenna. Using a highly directional antenna may improve reception.
TV not responding to remote control	<ul style="list-style-type: none">• Aim remote control directly at remote sensor lens on the front panel of the TV.• Check life span of batteries of the remote control.

TV HOOKUP (BASIC CONNECTION)



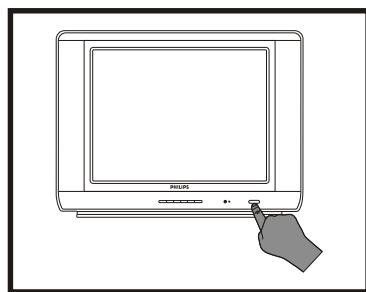
Antenna connection

- Connect the aerial plug to the antenna socket on the backcover.
- Insert the mains plug into the wall socket.



Mains connection

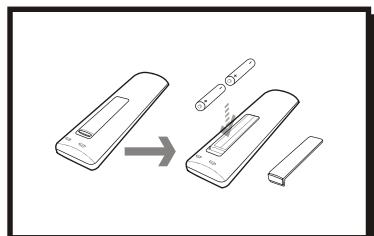
- For correct mains voltage, refer to type sticker at the rear of the TV set
- Consult your dealer if mains supply is different.
Note :This diagram is not representative of the actual plug and socket.



Switching on the set

- Press the main power button to switch on/off the TV.
- If the set is on standby (indicator is lit), press the Power button on the remote control to switch on set.

REMOTE CONTROL CARE AND USE

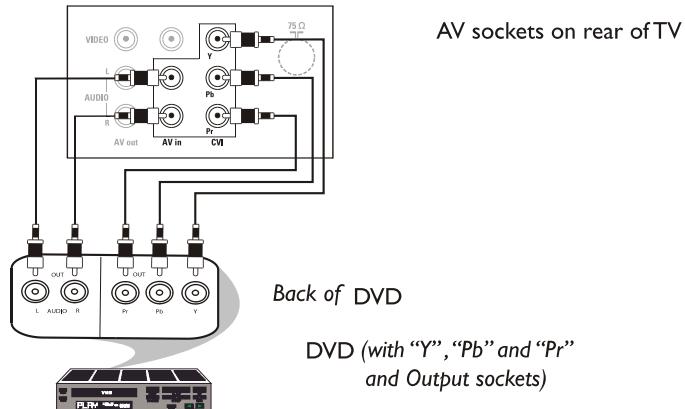


- Insert the correct type of batteries into the compartment.
- Ensure the batteries are placed in the right direction.

Operating instructions generally explains the operation of the TV set using the buttons on the remote control unless otherwise stated. Please read the following instructions carefully and follow the steps as shown to familiarise yourself with the installations and all features available in your set.

AUDIO/VIDEO CONNECTIONS (PLAYBACK)

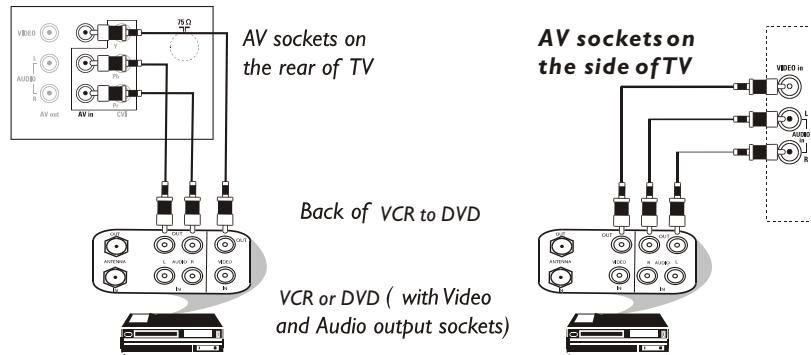
For best playback performance:



You can view the playback of DVD discs by using the COMPONENT VIDEO INPUT (CVI) sockets on the rear of the TV.

- Connect the CVI cables from the "Y", "Pb" and "Pr" INPUT of the TV to the "Y", "Pb" and "Pr" OUTPUT of the DVD to view playback of DVD discs.
- Connect the audio cables from the DVD player to the AV IN sockets on the rear of the TV.
- Switch to the CVI mode on the TV by pressing the AV button on the remote control.

AUDIO/VIDEO CONNECTIONS (PLAYBACK)

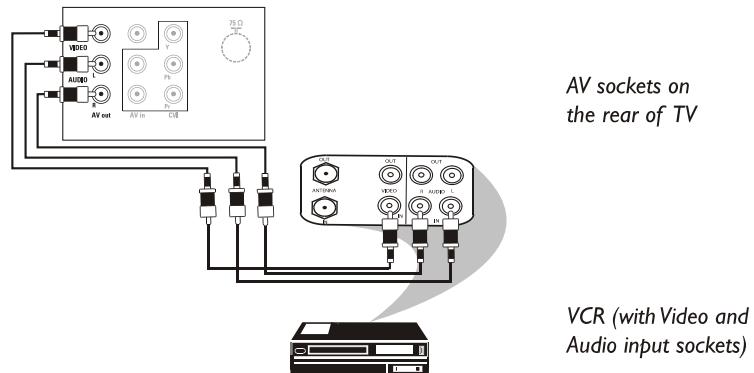


You can also view the playback of VCR tapes or DVD (Video Disc players, camcorders, etc.) by using the AUDIO and VIDEO INPUT sockets on the rear and side of the TV.

- Connect the video and audio RCA cables from the VIDEO and AUDIO IN on the rear and side of the TV to the AUDIO and VIDEO OUT of the VCR.
- Switch to the AV mode by pressing the AV button on the remote control.

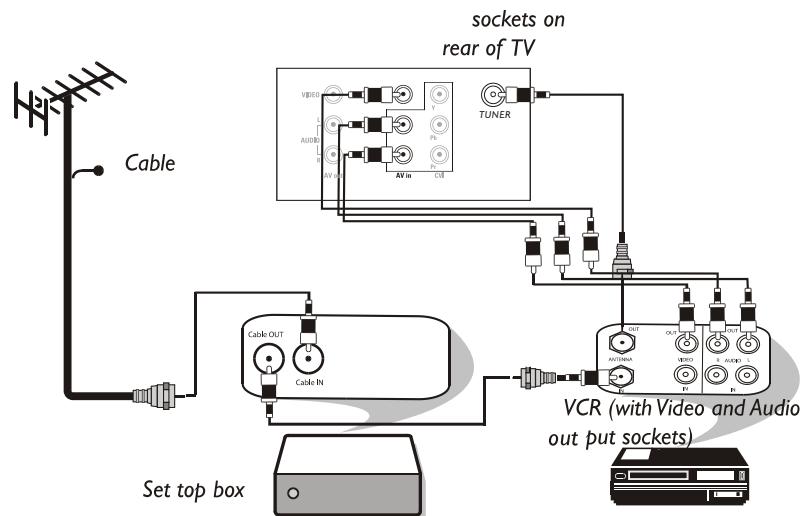
AUDIO/VIDEO CONNECTIONS (RECORDING)

Connection for recording from the TV channel



- Connect the video and audio RCA cables from the INPUT sockets of the VCR to the MONITOR OUT on the rear of the TV.

Connection for recording from cable TV to VCR



- Connect the RF cable from the OUTput of the set top box to the Antenna IN of the VCR. From the VCR's Antenna OUT, connect the RF cable to the Antenna socket on the rear of the TV.
- To enhance the sound of your TV, connect the audio cables to an external audio system instead of the VCR. For mono equipment, connect only the AUDIO L socket.
- Connect the video and audio RCA cables from the OUTPUT sockets of the VCR to the AV in on the rear of the TV

REMOTE CONTROL FUNCTIONS

(Refer to the correct page for the remote control that came with your set)

1 Standby

Lets you place the TV set on standby. To turn on the TV, press CH + or -, (), or digit keys.

2 Personal Zapping (Not applicable)

3 Add Personal Zapping list (Not applicable)

4 Sleeptimer

To select a time period after which the set switch to standby mode automatically.

5 Menu

To call up or exit menus.

6 Cursor

These 4 keys are used to move around the menus.

7 Smart Sound*

Used to access a series of stored settings: **VOICE**, **THEATRE**, **MUSIC**, or **PERSONAL**.

8 Volume

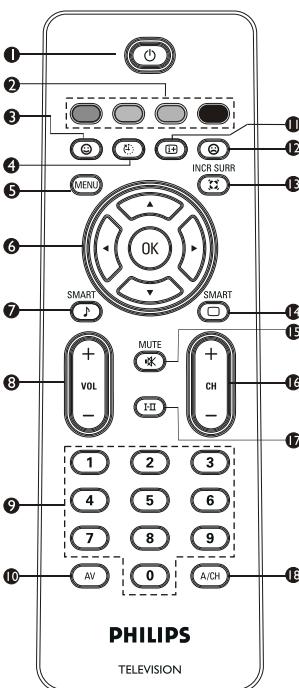
To adjust the sound level.

9 Digit keys

Direct access to the channels. For a 2-digit channel, enter the 2nd digit before the dash disappears.

10 AV channel selection

Press several times to select AV, CVI or SIDE.



11 On screen display

To display/clear the on screen information. This key is also used to exit from the menu.

12 Delete Personal Zapping list (Not applicable)

13 Incredible Surround *

To enable/disable the Incredible Surround feature. In stereo, the speaker sounds appear further apart. In mono, a pseudo-spatial effect is obtained.

14 Smart Picture

To access a series of stored settings: **SOFT**, **NATURAL**, **RICH**, **PERSONAL**.

15 Mute

To mute or restore sound.

16 Channel selection

To access the next or previous channel. The number are displayed for a few moments whenever you select a new channel.

17 I-II button*

During stereo transmission, to switch from Stereo to Mono.

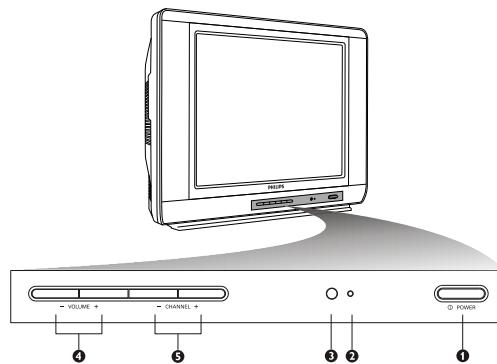
18 Alternate channel

Switches between the current and the previous channel.

*Applicable for TV model 21PT4437 only.

TV CONTROL FUNCTIONS

The TV controls are on the front of the set depending on your model.



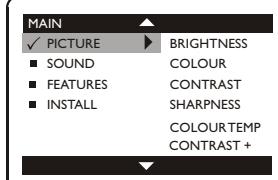
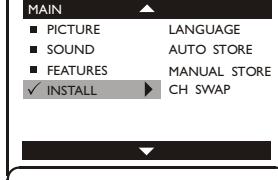
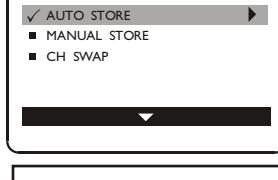
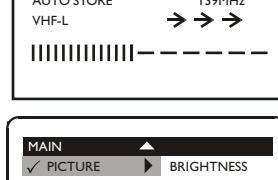
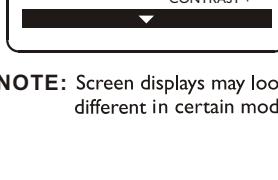
1	Mains Power button	Switches mains power on or off.
2	Standby light indicator	Indicator is lit when standby mode is activated.
3	Remote Sensor	Acts as a sensor for activating the controls of the TV when remote control handset is aimed at it.
4	Volume + / - buttons	Adjust sound volume softer/louder.
5	Channel + / - buttons	Select channel in descending/ascending order.

Tip:

- You can enter the main menu by pressing and holding the Volume - button first before pressing the Volume + button.
- Press the Channel - or + button to select the next item on the menu.
- Press Volume - or + button to access sub-menu and adjust the settings.

AUTOMATIC TUNING OF CHANNELS

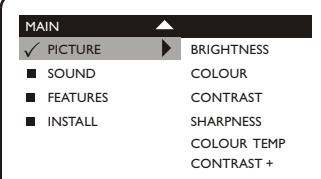
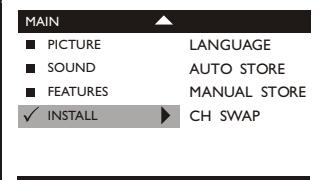
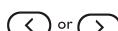
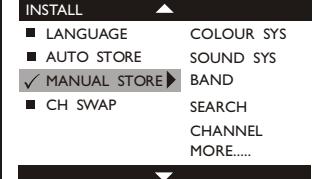
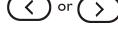
Automatic tuning of channels allows you to store each programme automatically.

Step	Press button	Result on screen*
1	(MENU)	Enter main menu.
2	(▼) Press button repeatedly until INSTALL is selected.	    
3	(◀ or ▶) Enter the INSTALL menu.	
4	(▼) Select AUTO STORE .	
5	(◀ or ▶) Start automatic tuning of channels.	 
6	(F1) When tuning is completed, exit menu from screen.	

*NOTE: Screen displays may look different in certain models.

MANUAL TUNING OF CHANNELS

Manual tuning of channels allows you to select your preferred channel number for every available programme.

Step	Press button	Result on screen*
1	 Enter main menu.	
2	 Press button repeatedly until INSTALL is selected.	
3	 Enter the INSTALL menu.	
4	 Press button repeatedly until MANUAL STORE is selected.	
5	 Enter the MANUAL STORE menu.	
6	 Select CHANNEL .	

*NOTE: Screen displays may look different in certain models.

MANUAL TUNING OF CHANNELS

Step	Press button	Result on screen*
7	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩	Key in the channel number.
8	^	Press button to select SEARCH .
9	< or >	Start manual searching. Searching stops once a transmitting signal is found. You can also enter frequency of the channel using digital keys directly.
10	< or >	NOTE: If you want to continue searching for another transmitting channel, repeat steps 6 to 9.
11	i+/-	Exit menu from screen.

***NOTE:** Screen displays may look different in certain models.

COLOUR / SOUND SYSTEM

This feature allows you to select your desired **COLOUR** and **SOUND** system. If **AUTO** is selected, the respective colour and sound system will be automatically selected according to the transmission system.

NOTE: Select your desired colour and sound system manually if reception is poor in Auto mode.

Step	Press button	Result on screen*
1 to 5	Repeat steps 1 to 5 as in “Manual Tuning of TV Channels”. Then select COLOUR SYS .	
6	(<) or (>) Select the desired colour system (AUTO, PAL).	
7	(<) or & (^)	Proceed to select SOUND SYS .
8	(<) or (>) Select the desired sound system (AUTO, BG, I, DK).	
9	(i+)	Exit menu from screen.

***NOTE:** Screen displays may look
different in certain models.

FINETUNING OF CHANNELS

This feature allows you to adjust picture reception in areas of weak reception.

Step	Press button	Result on screen*
1	(MENU)	Enter main menu.
2	(▼)	Press button repeatedly until INSTALL is selected.
3	(◀ or ▶)	Enter the INSTALL menu.
4	(▼)	Press button repeatedly until MANUAL STORE is selected.
5	(◀ or ▶)	Enter the MANUAL STORE menu.
6	(▼)	Press button repeatedly until FINE TUNE is selected.
7	(◀ or ▶)	Fine tune until the best reception is obtained.
8	(i+)	Exit from menu screen.

*NOTE: Screen displays may look different in certain models.

CHANNEL EDIT

This feature allows you to skip or edit channels which have bad or weak TV signal or channels that you do not watch often. Note: Once a channel is skipped, you cannot access it by using the CH (Channel) + or – button. You can only access it using the channel digit (0 - 9) buttons.

Step	Press button	Result on screen*
1	MENU	Enter main menu.
2	▾	Press button repeatedly until INSTALL is selected.
3	◀ or ▶	Enter the Install menu.
4	▾	Press button repeatedly until MANUAL STORE is selected.
5	◀ or ▶	Enter the MANUAL STORE menu.
6	▾	Press button repeatedly until SKIP is selected.
7	◀ or ▶	Select ON to skip channel.
8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ①	To edit other channels, please press CH button to select CHANNEL MENU. Key in the channel number to be select then repeat 6 to 7.
9	EXIT	Exit menu from screen.

*NOTE: Screen displays may look different in certain models.

CHANNEL SWAP

CH SWAP allows you to exchange the programs of two channels.

Step

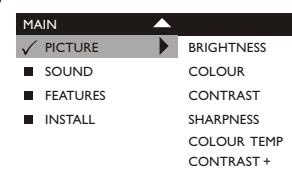
Press button

Result on screen*

1



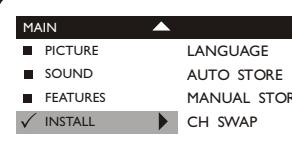
Enter main menu.



2



Press button repeatedly until **INSTALL** is selected.



3



Enter the **INSTALL** menu.



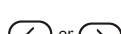
4



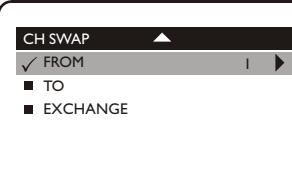
Press button repeatedly until **CH SWAP** is selected.



5



Enter the **CH SWAP** menu.



*NOTE: Screen displays may look different in certain models.

CHANNEL SWAP

Step	Press button	Result on screen*
6	or 	Press button to select two channels that you want to exchange their programs, such as from 1 to 3.
7		Press button repeatedly until EXCHANGE is selected.
8	or	Press button to exchange the programs of two channels.
9		Exit menu from screen.

***NOTE:** Screen displays may look different in certain models.

TIMER ADJUSTMENTS

You can programme the TV to switch on or off at a specified time or after a delay, or to switch to another channel at a specified time. To operate the timer, you must leave the TV in standby mode. When you switch the mains power off, the timer is reset.

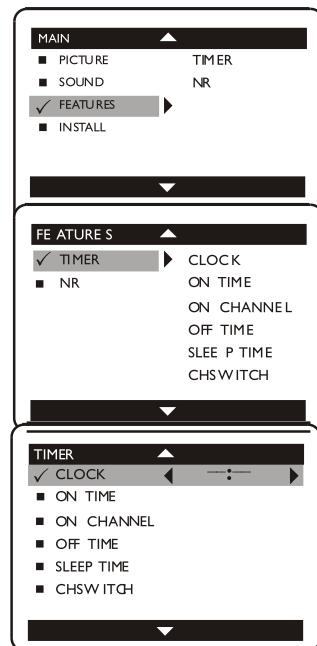
Step

Press button

Result on screen*

1 Enter the Timer menu

- Press the  key to display the **MAIN** menu.
- Press the  key to select the **FEATURES** menu, and press the  key to enter the **FEATURES** menu.
- Press the  key to enter the **TIMER** menu. You automatically enter the **CLOCK** option.



2 Set the current time

- Press the  or  key to set the hour. The cursor for the hour is shown in white.
- Press the  key to confirm the hour. The hour is now shown in yellow and the cursor for the minutes is shown in white.
- Press the  or  key to set the minutes.
- Press the  key to confirm the minutes. The cursor passes automatically to the **ON TIME** menu option.

TIMER ADJUSTMENTS

3 Set the other timer options

 or 

Press the  or  key to select an option in the **TIMER** menu.

The selected option is highlighted and ticked.

 or 

Press the  or  key to set the time or select a channel for the highlighted option.

Note: The cursor for the time or channel number is shown in white when it is selected to be set.



Press the  key to confirm the time or channel number for the option.

The time or channel number is shown in yellow and the cursor passes to the next option in the **TIMER** menu.

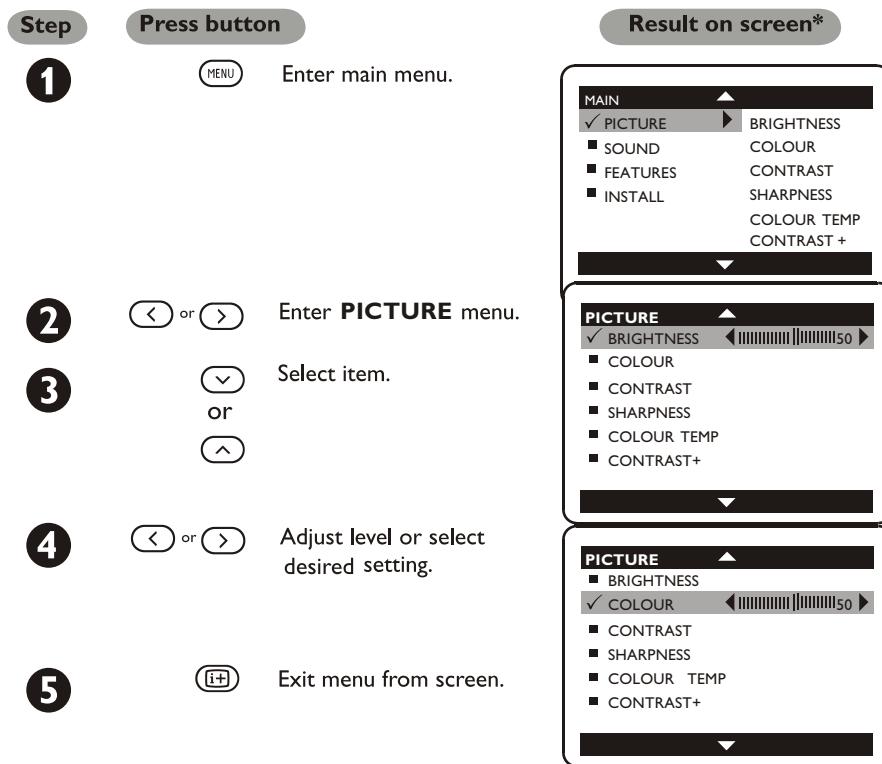
4 Exit the menu

Press the  key repeatedly to exit the menu.

Timer menu items	Description
CLOCK	To set the current time.
ONTIME	To set time for the TV to turn on from standby
ON CHANNEL	To set the channel when the TV is turned on from standby
OFFTIME	To set a time for the TV to switch off to standby
SLEEP TIME	To set a delay in minutes after which the TV is switched off to standby
CH SWITCH	To set a time for the TV to switch to another channel
SWITCH TO	To set the channel when the TV programmed to switch to another channel

PICTURE ADJUSTMENTS

The picture menu allows you to make adjustments to the picture.



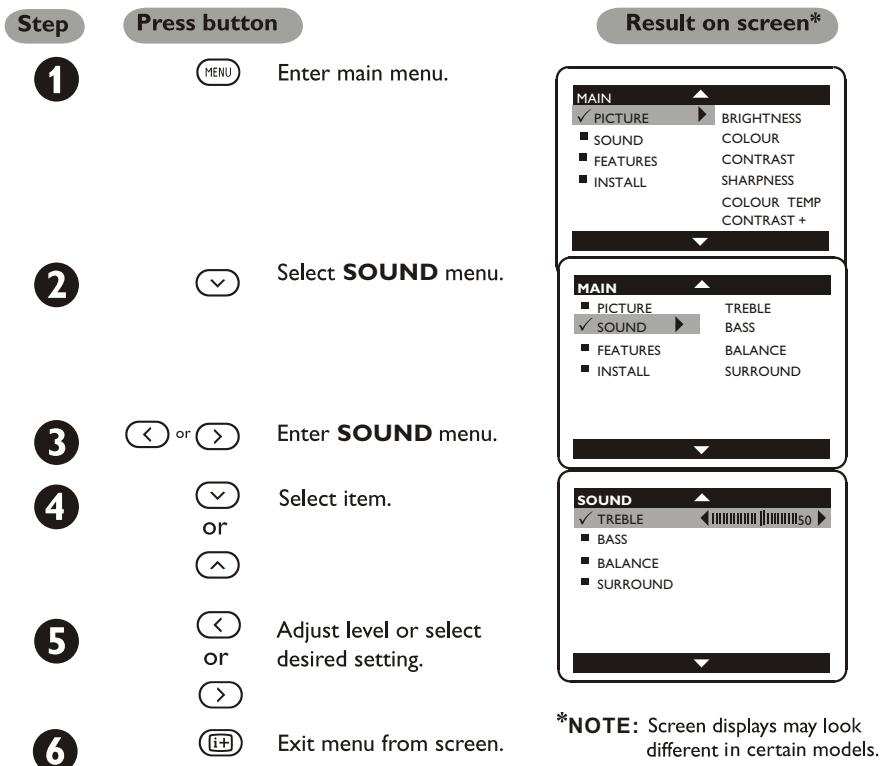
*NOTE: Screen displays may look different in certain models.

Picture menu items	Activities
BRIGHTNESS	Increase or decrease brightness level.
COLOUR	Increase or decrease colour level.
CONTRAST	Increase or decrease contrast level.
SHARPNESS	Increase or decrease sharpness level to improve detail in picture.
COLOUR TEMP	Choose from 3 settings (Normal, Warm or Cool).
CONTRAST+	Select ON to optimise the total contrast for improved picture quality.

SOUND ADJUSTMENTS

NOTE: Applicable for TV model 21PT4437 only.

The sound menu allows you to make adjustments to the sound.



SOUND menu items	Activities
TREBLE	Increase or decrease to adjust TREBLE level.
BASS	Increase or decrease to adjust BASS level.
BALANCE	Increase or decrease to adjust BALANCE level.
SURROUND	Select the effect: MONO or SPATIAL in mono sound channel . Select the effect: INCR.SURROUND or STEREO in stereo sound channel.

SMART PICTURE

Whether you are watching a movie or video game, your TV has automatic video control settings matched to your current program source or content. The Smart Picture feature quickly resets your TV's video controls of program for a number of different types of programs and viewing conditions you may have in your home. Each Smart Picture setting is preset at the factory to automatically adjust the TV's Brightness, Colour, Picture and Sharpness levels.

Step

Press button

1



Press button repeatedly to cycle through the 4 settings namely, **PERSONAL**, **SOFT**, **NATURAL**, **RICH** and select your desired picture setting.

2



Exit menu from screen.

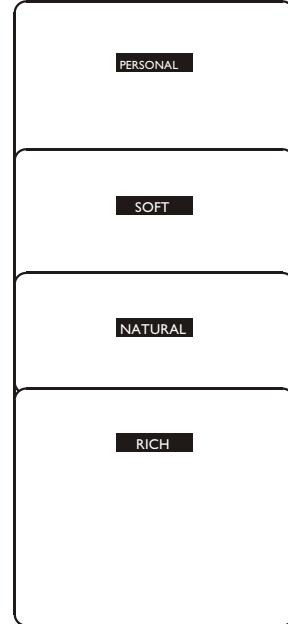
Definition of Picture settings

PERSONAL : Picture settings are set to your preference.

SOFT : Emphasize "warm" colours. (Suitable for dimly-lit room condition and gives cinema-like effect when light is switched off).

NATURAL : Emphasize original colours.

RICH : Emphasize very vibrant colours. This setting is the optimal setting when you are viewing TV programmes in a brightly-lit room.



SMART SOUND

NOTE:Applicable for TV model 21PT4437 only.

Whether you are watching a movie or video game, your TV has automatic sound control settings matched to your current program source or content. The Smart Sound feature quickly resets your TV's sound controls of program for a number of different types of programs and viewing conditions you may have in your home. Each Smart Sound setting is preset at the factory to automatically adjust the TV's Treble and Bass levels.

Step

Press button

1



Press button repeatedly to cycle through the 5 settings namely, **PERSONAL, VOICE, THEATRE, MUSIC** and select your desired sound setting.

2



Exit menu from screen.

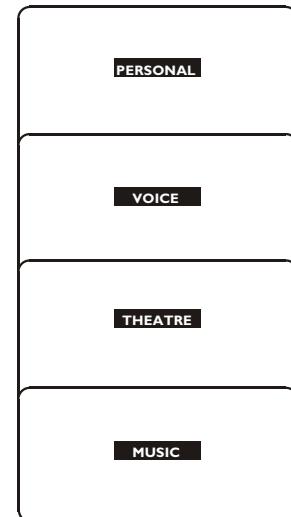
Definition of Sound settings

PERSONAL : Sound settings are set to your preference.

VOICE : Emphasize high tone (treble boosted).

THEATRE : Emphasize sensation to action. (Bass and Treble boosted)

MUSIC : Emphasize low tone (Bass boosted).



***NOTE:** Screen displays may look different in certain models.

SPECIFICATIONS

Product type	I4PT2117	I4PT2118	21PT3327	21PT4437		
Picture						
Display screen type	Black HibriTube	Real Flat	Real Flat			
Diagonal screen size	37cm	54cm	54cm			
Visible diagonal screen size	34cm	51cm	51cm			
Aspect ratio	4:3					
Picture enhancements	Contrast +					
Picture noise reduction	Noise Reduction					
Sound						
Sound output	120W PMPO	250W PMPO	300W PMPO			
Sound systems	AV stereo					
Sound features	Mute		Mute, Treble & Bass control, Incredible Surround			
Convenience	Sleep timer, Auto Store, Smart Picture		Sleep timer, Auto Store, Smart Picture, Smart Sound			
Reception						
TV system	PAL /BG / DK / I					
Video Playback	PAL, NTSC					
Connectivity						
Rear	CVI, CVBS In, Monitor Out; Antenna In (75Ω)					
Side	CVBS In					
General						
Mains volt/freq	100-240V ,50/60 Hz					
Power consumption	60W	72W				
Net weight	9.5Kg	23Kg				
Gross weight	11.1Kg	25.5Kg				
Set dimensions (W x H x D) mm	400x332x366mm		600x457x480mm			

Note: Specifications subject to change without notice.



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